

CLAIMS

1. A system comprising:

force measuring apparatus for measuring at least one of weight and balance forces;

an abutment attached at a location spaced from and in opposition to the force measuring apparatus;

apparatus for delivering screening stimulus proximate the abutment and for calculating height measurements between the abutment and the device;

input apparatus for accepting patient responses to the screening stimulus; and

a processing unit associated with the force measuring apparatus, the apparatus and the input apparatus for collecting and storing a)at least one measured weight and balance forces, b)patient responses from the input apparatus and c)calculated height measurements between the abutment and the force measuring apparatus.

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2. The system of claim 1, wherein the force measuring apparatus is pivoted to a base.
3. The system of claim 2, wherein a carriage reciprocated to a support projecting away from the base supports the abutment and associates with the apparatus.
4. The system of claim 1, wherein the screening stimulus comprises visual acuity stimulus.
5. The system of claim 4, wherein the apparatus includes:
 - a display; and
 - the visual acuity stimulus displayed by the display.
6. The system of claim 5, wherein the input apparatus includes a microphone for accepting verbal patient responses to the visual acuity stimulus.

7. The system of claim 5, wherein the input apparatus includes a keypad for accepting input patient responses to the visual acuity stimulus.

8. The system of claim 1, wherein the screening stimulus comprises audible acuity stimulus.

9. The system of claim 8, wherein the apparatus includes:

speakers; and

the audible acuity stimulus issued by the speakers.

10. The system of claim 9, wherein the input apparatus includes a microphone for accepting verbal patient responses to the audible acuity stimulus.

11. The system of claim 9, wherein the input apparatus includes a keypad for accepting input patient responses to the audible acuity stimulus.

12. A system comprising:

a base;

a scale attached to the base for measuring weight;

a support projecting away from the base and the scale;

a reciprocated abutment attached to the support in opposition to the scale;

apparatus for delivering screening stimulus proximate the abutment and for calculating height measurements between the abutment and the scale;

input apparatus for accepting patient responses to the screening stimulus; and

a processing unit associated with the scale, the apparatus and the input apparatus for collecting and storing a)measured weight, b)patient responses from the input apparatus and c)calculated height measurements between the abutment and the device..

13. The system of claim 12, wherein the scale is pivoted to the base.

14. The system of claim 12, wherein a carriage reciprocated to the support supports the abutment and the apparatus.

15. The system of claim 12, wherein the screening stimulus comprises visual acuity stimulus.

16. The system of claim 15, wherein the apparatus includes:

a display; and

the visual acuity stimulus displayed by the display.

17. The system of claim 16, wherein the input apparatus includes a microphone for accepting verbal patient responses to the visual acuity stimulus.

18. The system of claim 16, wherein the input apparatus includes a keypad for accepting input patient

responses to the visual acuity stimulus.

19. The system of claim 12, wherein the screening stimulus comprises audible acuity stimulus.

20. The system of claim 19, wherein the apparatus includes:

speakers; and

the audible acuity stimulus issued by the
speakers.

21. The system of claim 20, wherein the input apparatus includes a microphone for accepting verbal patient responses to the audible acuity stimulus.

22. The system of claim 20, wherein the input apparatus includes a keypad for accepting input patient responses to the audible acuity stimulus.

23. A system comprising:

a base;

a force platform attached to the base for measuring balance forces;

a support projecting away from the base and the force platform;

a reciprocated abutment attached to the support in opposition to the force platform;

apparatus for delivering screening stimulus proximate the abutment and for calculating height between the abutment and the force platform;

input apparatus for accepting patient responses to the screening stimulus; and

a processing unit associated with the force platform, the apparatus and the input apparatus for collecting and storing a)measured balance forces, b)patient responses from the input apparatus and c)calculated height measurements

between the abutment and the device.

24. The system of claim 23, wherein the force platform is pivoted to the base.

25. The system of claim 23, wherein a carriage reciprocated to the support supports the abutment and the apparatus.

26. The system of claim 23, wherein the screening stimulus comprises visual acuity stimulus.

27. The system of claim 26, wherein the apparatus includes:

a display; and

the visual acuity stimulus displayed by the display.

28. The system of claim 27, wherein the input apparatus includes a microphone for accepting verbal patient responses to the visual acuity stimulus.

29. The system of claim 27, wherein the input apparatus includes a keypad for accepting input patient responses to the visual acuity stimulus.

30. The system of claim 23, wherein the screening stimulus comprises audible acuity stimulus.

31. The system of claim 30, wherein the apparatus includes:

speakers; and

the audible acuity stimulus issued by the speakers.

32. The system of claim 31, wherein the input apparatus includes a microphone for accepting verbal patient responses to the audible acuity stimulus.

33. The system of claim 31, wherein the input apparatus includes a keypad for accepting input patient responses to the audible acuity stimulus.

34. A system comprising:

a load bearing surface;

a scale for measuring weight applied to the load bearing surface;

a force measuring device for measuring balance forces applied to the load bearing surface;

a support projecting away from the load bearing surface;

a reciprocated abutment attached to the support in opposition to the load bearing surface;

apparatus for delivering screening stimulus proximate the abutment and for calculating height measurements between the abutment and the load bearing surface;

input apparatus for accepting patient responses to the screening stimulus; and

a processing unit associated with the scale, the force

measuring device, the apparatus and the input apparatus for collecting and storing a) measured weight and measured balance forces, b) patient responses from the input apparatus and c) calculated height measurements between the abutment and the load bearing surface.

35. The system of claim 34, wherein a carriage reciprocated to the support supports the abutment and the apparatus.

36. The system of claim 34, wherein the screening stimulus comprises visual acuity stimulus.

37. The system of claim 36, wherein the apparatus includes:

a display; and

the visual acuity stimulus displayed by the display.

38. The system of claim 37, wherein the input apparatus includes a microphone for accepting verbal patient responses to the visual acuity stimulus.

39. The system of claim 37, wherein the input apparatus includes a keypad for accepting input patient responses to the visual acuity stimulus.

40. The system of claim 34, wherein the screening stimulus comprises audible acuity stimulus.

41. The system of claim 40, wherein the apparatus includes:

speakers; and

the audible acuity stimulus issued by the speakers.

42. The system of claim 41, wherein the input apparatus includes a microphone for accepting verbal patient responses to the audible acuity stimulus.

43. The system of claim 41, wherein the input apparatus includes a keypad for accepting input patient responses to the audible acuity stimulus.